

**Amendments to the Specification:**

Please replace paragraph [0059] with the following amended paragraph:

[0059] Rectifier 100 comprises a conventional full-wave bridge rectifier 110 including four diodes D1 through D4, and a smoothing capacitor C1. AC power VAC is supplied across a common node of diodes D1 and D4 and a common node of diodes D2 and D3. Capacitor C1 is coupled across a common node of diodes D1 and D2 and a grounded common node of diodes D3 and D4. AC power VAC undergoes full-wave rectification by ~~full~~full-wave bridge rectifier 110, and then is smoothed by capacitor C1 to be converted to DC power at an output of rectifier 100. The output of rectifier 100 is connected to switching driver 300 and output unit 200.

Please replace paragraph [0060] with the following amended paragraph:

[0060] Switching driver 300 comprises a PWM generator 301 coupled to control a switch M1. PWM generator 301 generates a PWM signal to turn switch M1 on and off. Switch M1 includes a transistor such as a MOSFET. In one embodiment, switching driver 300 is an integrated circuit (IC), and is coupled to an external capacitor C4. Such an IC would have external connection pins Vd, Vstr, Vfb, Vcc, and ground. The voltage stored in capacitor ~~C43~~ C4 functions as a power supply voltage Vcc for switching driver 300.